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designated the United States and which was not published in  
the English language.

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In the Claims:

*Sub*  
*BI*  
Claim 1 (amended). A semiconductor component, comprising:

*A*  
a semiconductor body of a first conductivity type, said  
semiconductor body having a first doping concentration greater  
than  $5 \times 10^{13}$  charge carriers  $\text{cm}^{-3}$  and having a first surface  
and a second surface, said first and second surfaces being  
provided opposite from one another;

at least a first electrode disposed on said first surface and  
at least a second electrode disposed on said second surface;

a semiconductor zone of a second conductivity type opposite to  
the first conductivity type;

a pn-junction formed between said semiconductor zone of the  
second conductivity type and said semiconductor body;

at least one of said first and second electrodes being in  
contact with said semiconductor zone of the second  
conductivity type;

semiconductor regions of the second conductivity type provided  
in said semiconductor body;

b1  
said semiconductor regions being disposed at a respective distance from said semiconductor zone of the second conductivity type such that said semiconductor regions surround said semiconductor zone of the second conductivity type in a well-shape;

each one of said semiconductor regions being interrupted at at least one location by channels formed by said semiconductor body; and

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said semiconductor regions of the second conductivity type having a second doping concentration such that said semiconductor regions are not completely depleted of charge carriers in case of a reverse-biasing of said pn-junction.

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Claim 2 (amended). The semiconductor component according to claim 1, wherein each one of said semiconductor regions of the second conductivity type are interrupted at a plurality of locations by said channels formed by said semiconductor body for increasing a reverse voltage.

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Claim 11 (amended). A semiconductor configuration, comprising:

A<sup>3</sup>  
a semiconductor component selected from the group consisting of a diode, a MOS transistor and a thyristor;

said semiconductor component including:

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a semiconductor body of a first conductivity type, said semiconductor body having a first doping concentration greater than  $5 \times 10^{13}$  charge carriers  $\text{cm}^{-3}$  and having a first surface and a second surface, said first and second surfaces being provided opposite from one another;

at least a first electrode disposed on said first surface and at least a second electrode disposed on said second surface;

11  
a semiconductor zone of a second conductivity type opposite to the first conductivity type;

a pn-junction formed between said semiconductor zone of the second conductivity type and said semiconductor body;

at least one of said first and second electrodes being in contact with said semiconductor zone of the second conductivity type;

semiconductor regions of the second conductivity type provided in said semiconductor body;

said semiconductor regions being disposed at a respective distance from said semiconductor zone of the second conductivity type such that said semiconductor regions surround said semiconductor zone of the second conductivity type in a well-shape;

B2  
each one of said semiconductor regions being interrupted at at least one location by channels formed by said semiconductor body; and

12  
said semiconductor regions of the second conductivity type having a second doping concentration such that said semiconductor regions are not completely depleted of charge carriers in case of a reverse-biasing of said pn-junction.

Enter The Following New Claims:

12  
-- 12. A semiconductor component, comprising:

12  
a semiconductor body having a semiconductor layer of a first conductivity type with a doping concentration greater than  $5 \times 10^{13}$  charge carriers  $\text{cm}^{-3}$ ;

a semiconductor zone of a second conductivity type opposite to said semiconductor layer of said first conductivity type;

a pn-junction formed between said semiconductor zone and said semiconductor layer; and

semiconductor regions of the second conductivity type in said semiconductor body, said semiconductor regions surrounding said semiconductor zone at a respective distance except for a channel formed of said semiconductor layer, said semiconductor regions having a doping concentration preventing completely

B3 depleted of charge carriers upon a reverse-biasing of said pn-junction.

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13. The semiconductor component according to claim 12, wherein said channel is one of a plurality of channels for increasing a reverse voltage.

A3 14. The semiconductor component according to claim 12, wherein said channel is configured such that electric field spikes are avoided when a reverse voltage is applied between said semiconductor zone and said semiconductor body.

15. The semiconductor component according to claim 12, wherein said semiconductor body has a drift region and said channel is provided in said drift region.

16. The semiconductor component according to claim 12, wherein said semiconductor body has an edge region and said channel is provided in said edge region.

17. The semiconductor component according to claim 12, wherein said semiconductor body has an edge zone and an insulating zone is provided for shielding charge carriers from said edge zone.

18. The semiconductor component according to claim 12,  
wherein said semiconductor body has a first surface and a  
second surface, one of said first and second surfaces  
surrounds said semiconductor zone of the second conductivity  
type, and field plates are provided on said one of said first  
and second surfaces.

19. The semiconductor component according to claim 12,  
wherein said semiconductor body has an edge, and a doped guard  
ring zone of the first conductivity type surrounds said edge.

20. The semiconductor component according to claim 12,  
wherein the first conductivity type is an n-conductivity type.

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